TR03 Series RTD Screw-In Temperature Sensor

The TR03 series is a Screw-In RTD temperature sensor which is perfectly suitable for temperature measurements in precision instruments, medical equipment, portable instrument, constant temperature equipment, fluid pipelines and others. The measuring insert is usually fitted with a PT100 and PT1000 temperature sensor as standard.









Features

- Screw-In type
- \bullet For temperatures from -200 to 250 °C
- Single/double RTD platinum resistance
- Two-wire and three-wire circuit available

Advantages

- Fast measurements
- Packed in stainless steel sheel
- Compact size
- Reliable preformance, and high flexibility

Applications

- Precision instruments
- Portable instrument
- Medical equipment
- Constant temperature equipment,
- Fluid pipelines

Standards

- DIN EN IEC 60751
- DIN EN 60529
- DIN EN 60068-2-6
- DIN EN 60068-2-27

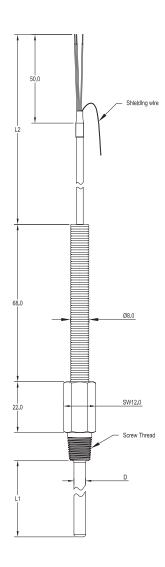
Name Guide Description



Notes

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Dimension (mm)



Safety and Environment



The product is to be installed by manufacturer trained personnel or competent person trained in accordance with manufacturer installation instructions.

With respect to applicable standards IEC 61010-1/EN 61010-1 safety requirements for electrical equipment for measurement, control and laboratory use part 1 general requirements, the product should be used in limited energy secondary circuits.



Risk of electrical shock

Certain parts of the module can carry hazardous voltage during the operation process of the product because hazardous live voltage of primary conductor, power supply occurs, injury and/or serious damage will be caused if this warning is ignored.

Conducting parts must be inaccessible after installation of the product. Additional protection including shield or protective housing could be used according to IEC 60664 Insulation coordination for equipment within low-voltage supply systems.

Disconnection of the main supply will protect against possible injury and serious damage.



ESD protection

Damage from an ESD event will occur if the personnel is not well grounded when handling.

Important notice

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